

TIRE MANAGEMENT SYSTEM AND METHOD

Abstract of the Disclosure

In one aspect, the invention is a system and method for improving vehicle operating
5 conditions through the monitoring and adjustment of tire pressure in response to changing
conditions. The system improves commercial vehicle productivity by reducing tire and fuel
expenses, improving traction when needed, and reducing tire-induced shock-load damage to
the vehicle axles and chassis. In another aspect, the invention is a tire management system,
comprised of a tire inflation and deflation system positioned onboard said vehicle and
10 operationally controlled by an onboard microprocessor-based control unit or by a remote
centralized control-unit.